

09873418

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 9005-53-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN **Lignin (8CI, 9CI)** (CA INDEX NAME)  
OTHER NAMES:  
CN Acid-precipitable polymeric lignin  
CN APPL  
CN Ball-milled lignin  
CN Biolignin  
CN Cellulase lignin  
CN DHP lignin  
CN Methyllignin  
CN Native lignin  
CN Pepper lignin  
CN Protolignin  
CN Reax 31  
CN Vaniol NDP  
DR 8072-92-2, 9062-69-5, 56690-27-8, 37222-03-0, 37226-40-7  
MF Unspecified  
CI PMS, COM, MAN  
PCT Manual registration, Polyother, Polyother only  
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA,  
CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM,  
CSNB, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*,  
MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, TOXCENTER, TULSA, USPAT2,  
USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

24979 REFERENCES IN FILE CA (1907 TO DATE)  
1629 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
24994 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 20:24:50 ON 06 JUN 2005)

FILE 'REGISTRY' ENTERED AT 20:24:59 ON 06 JUN 2005

L1 0 S LIGNIN SULFONATE/CN  
L2 10 S LIGNIN SULFONATE  
L3 1 S LIGNIN/CN

=> d l2 1-10

L2 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 682331-38-0 REGISTRY  
ED Entered STN: 17 May 2004  
CN Lignosulfonic acid, magnesium salt, polymer with formaldehyde (9CI) (CA  
INDEX NAME)  
OTHER NAMES:  
CN **Formaldehyde-magnesium ligninsulfonate copolymer**  
CN Formaldehyde-magnesium lignosulfonate copolymer

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MF (C H2 O . Unspecified)x  
CI PMS  
PCT Manual component, Polyether, Polyether formed, Polyother  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

CRN 8061-54-9  
CMF Unspecified  
CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 50-00-0  
CMF C H2 O

H<sub>2</sub>C=O

2 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 53488-93-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Lignosulfonic acid, calcium salt, polymer with formaldehyde and phenol  
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formaldehyde, polymer with calcium lignosulfonate and phenol (9CI)  
CN Phenol, polymer with calcium lignosulfonate and formaldehyde (9CI)

OTHER NAMES:

CN **Calcium lignin sulfonate-formaldehyde-phenol polymer**  
MF (C6 H6 O . C H2 O . Unspecified)x  
CI PMS  
PCT Manual component, Phenolic resin, Polyother  
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL

CM 1

CRN 8061-52-7  
CMF Unspecified  
CCI MAN

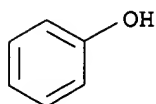
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 108-95-2  
CMF C6 H6 O

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CM 3

CRN 50-00-0

CMF C H2 O

H<sub>2</sub>C=O

4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 39331-38-9 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Lignosulfonic acid, iron salt (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Ex-iron  
CN Ferro Life  
CN Imco RD 2000  
CN **Iron ligninsulfonate**  
CN Iron lignosulfonate  
CN Serla-Sol Fe  
MF Unspecified  
CI COM, MAN  
LC STN Files: BIOSIS, CA, CAPLUS, CHEMLIST, IFICDB, IFIPAT, IFIUDB,  
TOXCENTER, TULSA, USPAT2, USPATFULL  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
70 REFERENCES IN FILE CA (1907 TO DATE)  
8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
70 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 37314-65-1 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Lignosulfonic acid, potassium salt (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **Lignin sulfonate potassium salt**  
CN **Potassium ligninsulfonate**  
CN Potassium lignosulfonate  
DR 8061-55-0  
MF Unspecified  
CI COM, MAN  
LC STN Files: CA, CAPLUS, CHEMLIST, IFICDB, IFIPAT, IFIUDB, PROMT,  
TOXCENTER, TULSA, USPAT2, USPATFULL  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

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89 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
89 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 9066-49-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Lignosulfonic acid, aluminum salt (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **Aluminum ligninsulfonate**  
CN Aluminum lignosulfonate  
MF Unspecified  
CI COM, MAN  
LC STN Files: CA, CAPLUS, CHEMLIST, IFICDB, IFIPAT, IFIUDB, TOXCENTER,  
TULSA, USPATFULL  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

33 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
33 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 8062-15-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Lignosulfonic acid (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Ameribond 2X  
CN Borresperse 3A  
CN HR 6L  
CN HR 7  
CN Indulin SN  
CN Lignin, sulfite  
CN **Ligninsulfonate**  
CN Ligninsulfonic acid  
CN Lignosulfate  
CN Lignosulfonate  
CN LST 7  
CN Poly(lignosulfonic acid)  
CN Protektol W  
CN Sanex C  
CN Sulfite lignin  
CN Sulfolignin  
CN Sulfonic acids, ligno  
CN Sulfonyllignin  
CN Vanilex HW  
CN Wafex SR  
DR 58318-45-9  
MF Unspecified  
CI PMS, COM, MAN  
PCT Manual registration, Polyother, Polyother only  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,  
CA, CANCERLIT, CAPLUS, CASREACT, CHEMLIST, CIN, CSCHM, EMBASE, IFICDB,  
IFIPAT, IFIUDB, MEDLINE, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS\*,  
TOXCENTER, TULSA, USPAT2, USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

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\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

5283 REFERENCES IN FILE CA (1907 TO DATE)  
2399 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
5284 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 8061-54-9 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Lignosulfonic acid, magnesium salt (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Celex  
CN Celex (lignosulfonate)  
CN Darex WRDA  
CN **Magnesium ligninsulfonate**  
CN Magnesium lignosulfonate  
CN San-X M  
CN San-X P 321  
DR 61513-03-9  
MF Unspecified  
CI COM, MAN  
LC STN Files: AGRICOLA, BIOBUSINESS, CA, CAPLUS, CHEMLIST, CIN, CSCHM,  
IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

144 REFERENCES IN FILE CA (1907 TO DATE)  
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
144 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 8061-53-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Lignosulfonic acid, ammonium salt (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **Ammonium ligninsulfonate**  
CN Ammonium lignosulfonate  
CN Borresperse NH  
CN Hansa Am-S  
CN Lignosite 17  
CN Lignosol NST 150  
CN Lignosol TSD  
CN Lignosol TSF  
CN Lignosol TSF 65  
CN NH 6L  
CN NH 7L  
CN Norlig P  
CN Norlig TSD  
CN Norlig TSFL  
CN Norlig TSFL 4  
CN Orzan A  
CN Orzan AL 50  
CN Orzan P  
CN Peritan NH4  
CN Petrolig ERA 27  
CN Totanin  
CN Trex LTA  
CN TSSL

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CN Vixil III  
CN Wanin AM  
CN Zewa DIS-TR  
DR 12736-99-1, 9072-35-9, 69234-32-8  
MF Unspecified  
CI COM, MAN  
LC STN Files: AGRICOLA, AQUIRE, BIOBUSINESS, BIOSIS, CA, CABA, CAPLUS,  
CHEMCATS, CHEMLIST, CSCHM, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PDLCOM\*,  
PIRA, PROMT, TOXCENTER, TULSA, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, TSCA\*\*  
(\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

461 REFERENCES IN FILE CA (1907 TO DATE)  
36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
461 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 9 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 8061-52-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Lignosulfonic acid, calcium salt (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Attisol 10  
CN Attisol 20  
CN Bindarene  
CN Borrebond powder  
CN Borresperse CA  
CN Borresperse CAF  
CN **Calcium ligninsulfonate**  
CN Calcium lignosulfate  
CN Calcium lignosulfonate  
CN Collex SL  
CN Collex XB  
CN Collex XM 1XB120  
CN D 419-5  
CN Darvan 4  
CN Darvan 404  
CN Goulac  
CN Groelipel  
CN Lignin calcium sulfonate  
CN Ligninsulfonic acid calcium salt  
CN Lignone  
CN Lignosite 401  
CN Lignosol B-D  
CN Lignosol D 30  
CN Lignosol FG  
CN Lignosol HCX  
CN Lignosol SF  
CN Lignosol SFX  
CN Mu Gai  
CN Norlig A  
CN Norlig MC  
CN Orzan 501  
CN Pearllex C  
CN Pearllex CP  
CN Pozzolith 8  
CN San-X C  
CN San-X P 200

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CN San-X P 201  
CN San-X P 270  
CN San-X P 501  
CN SSB  
CN SSB (lignosulfonate)  
CN Stapel  
CN Sulfonated lignin calcium salt  
CN Toramil B  
CN Ultrazine CA  
CN Wafex Ca  
CN Wafex P  
CN WRB 1  
DR 11138-57-1, 8076-90-2, 104782-63-0, 113609-41-9, 66198-49-0, 66198-50-3,  
138861-06-0  
MF Unspecified  
CI COM, MAN  
LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMCATS,  
CHEMLIST, CIN, CSChem, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS,  
NIOSHTIC, PIRA, PROMT, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1325 REFERENCES IN FILE CA (1907 TO DATE)  
64 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1325 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 10 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 8061-51-6 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Lignosulfonic acid, sodium salt (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN AHR 2438B  
CN Betz 402  
CN Borresperse N  
CN Borresperse NA  
CN Borresperse NA-SA  
CN D 419-6  
CN Diwatex 30FKP  
CN FlowPro 1512  
CN HR 5  
CN HR 5 (cement additive)  
CN Kelig 100  
CN Kelig 400  
CN Kraftsperse 25M  
CN Ligninsulfonic acid sodium salt  
CN Lignopol  
CN Lignosite 431  
CN Lignosite 458  
CN Lignosite 823  
CN Lignosite 854  
CN Lignosol AXD  
CN Lignosol D 10  
CN Lignosol DXD  
CN Lignosol FTA  
CN Lignosol NSX 110

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CN Lignosol SFX 65  
CN Lignosol X  
CN Lignosol X 50  
CN LSU  
CN LSU (lignosulfate)  
CN Lubricon 200F  
CN Maracell C  
CN Maracell E  
CN Maracell XC 2  
CN Maracell XE  
CN Marasperse B  
CN Marasperse CBA 1  
CN Marasperse CBO  
CN Marasperse CBOS 4  
CN Marasperse CBS  
CN Marasperse CBX 2  
CN Marasperse N  
CN Marasperse N 22  
CN Neocobaltin PNA 11  
CN Newkalgen RX-B  
CN Norlig 12  
CN Norlig 12F  
CN Orzan CD  
CN Orzan LS  
CN Orzan S  
CN Orzan SL 50  
CN Sodium ligninsulfonate

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 8077-00-7, 9009-75-0, 172672-59-2, 122178-10-3, 122784-49-0, 53241-33-1,  
54511-09-0, 58252-37-2, 57308-17-5, 57308-19-7, 102188-95-4, 112938-99-5,  
69913-08-2, 70620-30-3, 71124-41-9, 89800-41-9, 39392-67-1, 118367-85-4,  
218433-41-1, 290349-15-4

MF Unspecified

CI COM, MAN

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, CA, CAPLUS,  
CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHM, DIOGENES, HSDB\*, IFICDB,  
IFIPAT, IFIUDB, MSDS-OHS, PDLCOM\*, PIRA, PROMT, RTECS\*, TOXCENTER,  
TULSA, USAN, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2180 REFERENCES IN FILE CA (1907 TO DATE)  
143 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2181 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Blessing